



Table 1. Surface area and capacity at specified water-surface elevations for Hazel Creek Lake near Kirksville, Missouri, April 19–20, 2021.

[Primary drop inlet elevation is about 847.9 feet, and emergency spillway elevation is about 851.9 feet; the mean water-surface elevation during the survey was about 847.9 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface area, in acres	Capacity, ² in acre-feet
802.0	0.78	0.80
804.0	3.86	4.31
806.0	13.6	20.0
808.0	28.5	63.1
810.0	39.7	131
812.0	53.2	224
814.0	68.6	346
816.0	81.8	497
818.0	96.9	676
820.0	114	885
822.0	133	1,130
824.0	154	1,420
826.0	175	1,750
828.0	197	2,120
830.0	219	2,530
832.0	244	3,000
834.0	271	3,510
836.0	296	4,080
838.0	322	4,700
840.0	353	5,370
842.0	392	6,110
844.0	425	6,930
846.0	453	7,810
847.9	493	8,710
848.0	495	8,760
850.0	539	9,790
851.9	580	10,900

¹Elevations are referenced to the North American Vertical Datum of 1988 using the geoid model GEOID18.

²Capacities were calculated from surface testing at 0.27-foot vertical accuracy at a 95-percent confidence level. An explanation of the vertical accuracy calculation can be found in the "Bathymetric Surface, Contour Map, and Bathymetric Change Quality Assurance" section of the report of which this plate is a part.

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Suggested citation:
Rivers, B.C., Huizinga, R.J., Richards, J.M., and Waite, G.J., 2023, Bathymetric contour maps, surface area and capacity tables, and bathymetric change maps for selected water-supply lakes in northeastern Missouri, 2021: U.S. Geological Survey Scientific Investigations Report 2023-5108, xx p., and 12 oversized plates, <https://doi.org/10.3133/sir20235108>.

ISSN 2228-0328 (online)
<https://doi.org/10.3133/sir20235108>

Bathymetric Contour Map and Surface Area and Capacity Table for Hazel Creek Lake (lake 27) near Kirksville, Missouri, 2021

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2023